



COMMONWEALTH of VIRGINIA

DEPARTMENT OF FORENSIC SCIENCE

CENTRAL LABORATORY
A Nationally Accredited Laboratory

700 NORTH 5TH STREET
RICHMOND, VIRGINIA 23219
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II
SERIAL NUMBER: 010590
CERTIFICATION DATE: December 26, 2013
DATE RECERTIFICATION DUE: June 24, 2014

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science. This certification is valid from the above listed certification date until the above listed date for recertification.

Timmy L. Neece, Jr.
Forensic Scientist

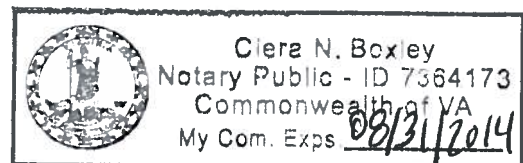
CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 7th day of January, 2014 by Timmy L. Neece, Jr.

Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014

msk



DBH
TLN

**Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
1/1/1990 To 12/27/2013**

Instrument Serial Number: 010590

As of 27-Dec-13

Maintenance Date	Certification Date	Technician Initials	Remarks
26-Dec-13	26-Dec-13	DBH (21250)	REPLACED UPS BACK-UP BATTERY. CERTIFIED. REPLACED DRY GAS STANDARD.
17-Jul-13	17-Jul-13	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED.
13-Feb-13	13-Feb-13	SED (24178)	CERTIFIED. REPLACED DRY GAS STANDARD.
21-Aug-12	21-Aug-12	DBH (21250)	CERTIFIED
08-Mar-12	08-Mar-12	TLN (25387)	CERTIFIED. REPLACED DRY GAS STANDARD.
20-Sep-11	20-Sep-11	HMS (18910)	REPLACED DRY GAS STANDARD, CERTIFIED
13-Apr-11	13-Apr-11	RJP (22428)	CERTIFIED.
26-Oct-10	26-Oct-10	RJP (22428)	CERTIFIED.
05-May-10	05-May-10	RJP (22428)	REPLACED DRY GAS STANDARD. CERTIFIED
09-Nov-09	09-Nov-09	RJP (22428)	CERTIFIED
01-Jun-09	01-Jun-09	RJP (22428)	FIRMWARE/SOFTWARE UPGRADE. CERTIFIED.
07-Jan-09	07-Jan-09	RJP (22428)	CALIBRATED AND CERTIFIED.
05-Dec-08	05-Dec-08	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

DBH
TLW

INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number 010590 Worksheet Start Date 12/26/2013
Location Charles City CO SO
Address 10600 Courthouse Rd Charles City VA 23030
DFS Technician Donald Hall License No. 21250
☐ Laboratory ☒ On-Site

Site Specification: No detrimental environmental conditions exist. ☒

Instrument Barometer (mm HG) 768 Reference Barometer (mm HG) 768
Reference Barometer(RB)Serial # 009109 RB Calibration Due 8/1/2014

Measurement Assurance Check

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.303
0.300	0.302	0.292	0.311	Sample 2	0.303
Precision		sample min	sample max	Sample 3	0.303
0		0.303	0.303		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.102
0.100	0.101	0.097	0.104	Sample 2	0.102
Precision		sample min	sample max	Sample 3	0.102
0		0.102	0.102		

Dry gas standard Lot No. (with tank no.)

AG219101-03

- ☒ Replaced dry gas standard (+O-ring)
☐ Installed at Location
☐ Removed to DFS-Central

Supplies
Mouthpieces
Certificates of Analysis
Operator Worksheet
Other:

25

Notes:

Replaced ups back-up battery.

Instrument Serial Number

010590

Certification Date

12/26/2013

☐ Calibrated☒ Certified☒ Measurement Assurance Check☒ Instrument Test☐ Troubleshooting/Maintenance Worksheet Completed

(Successful completion denotes satisfactory condition of the item.)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.247
0.250	0.252	0.244	0.259	Sample 2	0.247
Precision		sample min	sample max	Sample 3	0.247
0		0.247	0.247		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.150
0.150	0.151	0.146	0.155	Sample 2	0.150
Precision		sample min	sample max	Sample 3	0.150
0		0.150	0.150		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.080
0.080	0.081	0.078	0.084	Sample 2	0.081
Precision		sample min	sample max	Sample 3	0.081
0.001		0.080	0.081		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.020
0.020	0.020	0.017	0.023	Sample 2	0.020
Precision		sample min	sample max	Sample 3	0.020
0		0.020	0.020		

All measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

DFS Technician

Donald B Hall

Date

12/26/13

Issuing Analyst

T. V. J.

Date

*12/27/13**NSR*

DBH
TLN




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY HALL, DONALD, B		AGENCY DFS Central Lab
DFS LICENSE NUMBER 21250	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 12/26/2013
TEST EQUIPMENT NUMBER 010590		

RESULTS: TIME SAMPLE TAKEN 11:23 EST

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20_____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____ SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____ OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 26 Dec 2013 at 16:43

DBH
TLV

Test Results

Instrument Serial Number 010590

Test # 000274 Subject Test

Test Location 1 Department of
Test Date 26 Dec 2013

Test Location 2 Forensic Science
Test Time 11:16
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name HALL
Agency DFS Central Lab

Operator's First Name DONALD

Operator's Middle Initial B

Card Serial Number 121250

License Number 21250

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 26 Dec 2013 End Time 11:24

Result Time 11:23

Result Date 26 Dec 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 11:17

Data Type BLK

Sample Value 0.000

Sample Time 11:18

Data Type CHK

Sample Value 0.103

Sample Time 11:18

Data Type BLK

Sample Value 0.000

Sample Time 11:20

Data Type SUBJ

Sample Value 0.000

Sample Time 11:21

Data Type BLK

Sample Value 0.000

Sample Time 11:22

Data Type SUBJ

Sample Value 0.000

Sample Time 11:23

Data Type BLK

Sample Value 0.000

Sample Time 11:24

Standard Type Dry Gas Std

Standard Value 0.101

Standard Lot Number AG201104-13

Standard Expiration Date 01/11/2014

Tank Pressure 213

Barometric Pressure 767 mmHg

Blow Sample Number 1 Blow Duration 3.56 sec

Blow Volume 1825 cc End-of-Blow Time 11:21

Blow Sample Number 2 Blow Duration 3.46 sec

Blow Volume 1825 cc End-of-Blow Time 11:23

Tamper Evident Stamp 22a03a2a

Test Status Code 0

Test Status Success

Intox EC/IR-II: Accuracy Check

DB
TLN

Department of Forensic Science

Serial Number: 010590 Test Number: 275

Test Date: 12/26/2013 Test Time: 11:38 EST

Dry Gas Target: 0.101

Lot Number: AG201104-13 Exp Date: 01/11/2014

Tank Pressure: 213 psi Barometric Pressure: 767 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	11:39
CHK	0.102	11:40
BLK	0.000	11:41
CHK	0.102	11:42
BLK	0.000	11:43
CHK	0.102	11:44

Test Status: *Success*

Calibration CRC: 7E86BACC

Intox EC/IR-II: Accuracy Check

DBH
TLN

Department of Forensic Science

Serial Number: 010590 Test Number: 276

Test Date: 12/26/2013 Test Time: 11:47 EST

Dry Gas Target: 0.303

Lot Number: AG322702-07 Exp Date: 08/15/2015

Tank Pressure: 267 psi Barometric Pressure: 767 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	11:48
CHK	0.306	11:48
BLK	0.000	11:50
CHK	0.305	11:51
BLK	0.000	11:52
CHK	0.305	11:54

Test Status: *Success*

Calibration CRC: 7E86BACC




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
---	-----------------------------

BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY HALL, DONALD, B		AGENCY DFS Central Lab
DFS LICENSE NUMBER 21250	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 12/26/2013
TEST EQUIPMENT NUMBER 010590		

RESULTS: TIME SAMPLE TAKEN **12:04 EST**

SAMPLE'S ALCOHOL CONTENT **0.00** GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20_____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____
OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 26 Dec 2013 at 16:43

DBH
TLN

Test Results

Instrument Serial Number 010590

Test # 000277 Subject Test

Test Location 1 Department of
Test Date 26 Dec 2013

Test Location 2 Forensic Science
Test Time 11:58
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name HALL
Agency DFS Central Lab

Operator's First Name DONALD

Operator's Middle Initial B

Card Serial Number 121250

License Number 21250

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 26 Dec 2013 End Time 12:05

Result Time 12:04

Result Date 26 Dec 2013

Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 11:58

Data Type BLK

Sample Value 0.000

Sample Time 11:59

Data Type CHK

Sample Value 0.102

Sample Time 12:00

Data Type BLK

Sample Value 0.000

Sample Time 12:01

Data Type SUBJ

Sample Value 0.000

Sample Time 12:02

Data Type BLK

Sample Value 0.000

Sample Time 12:03

Data Type SUBJ

Sample Value 0.000

Sample Time 12:04

Data Type BLK

Sample Value 0.000

Sample Time 12:05

Standard Type Dry Gas Std

Standard Value 0.101

Standard Lot Number AG219101-03

Standard Expiration Date 07/09/2014

Tank Pressure 139

Barometric Pressure 767 mmHg

Blow Sample Number 1 Blow Duration 3.74 sec

Blow Volume 2022 cc

End-of-Blow Time 12:02

Blow Sample Number 2 Blow Duration 3.21 sec

Blow Volume 1747 cc

End-of-Blow Time 12:04

Tamper Evident Stamp 2d4832d1

Test Status Code 0

Test Status Success

Intox EC/IR-II: Certification**Department of Forensic Science**

Serial Number: 010590 Test Number: 278

Test Date: 12/26/2013 Test Time: 12:08 EST

Technician Initials: DBH

Dry Gas Target: 0.252

Lot Number: 2961225012-09 Exp Date: 11/01/2014

Tank Pressure: 693 psi Barometric Pressure: 766 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	12:08
BLK	0.000	12:09
CHK	0.247	12:10
BLK	0.000	12:12
CHK	0.247	12:12
BLK	0.000	12:14
CHK	0.247	12:15
BLK	0.000	12:16

Success

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

Intox EC/IR-II: Certification

DBH
TL✓

Department of Forensic Science

Serial Number: 010590 Test Number: 279

Test Date: 12/26/2013 Test Time: 12:19 EST

Technician Initials: DBH

Dry Gas Target: 0.151

Lot Number: 2951215012-03 Exp Date: 11/01/2014

Tank Pressure: 330 psi Barometric Pressure: 766 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	12:19
BLK	0.000	12:20
CHK	0.150	12:21
BLK	0.000	12:22
CHK	0.150	12:23
BLK	0.000	12:25
CHK	0.150	12:26
BLK	0.000	12:27

Success

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

Intox EC/IR-II: Certification

DBH
TLN

Department of Forensic Science

Serial Number: 010590 Test Number: 280

Test Date: 12/26/2013 Test Time: 12:29 EST

Technician Initials: DBH

Dry Gas Target: 0.081

Lot Number: 0771308012-01 Exp Date: 05/01/2015

Tank Pressure: 904 psi Barometric Pressure: 766 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	12:30
BLK	0.000	12:30
CHK	0.080	12:31
BLK	0.000	12:32
CHK	0.081	12:33
BLK	0.000	12:35
CHK	0.081	12:35
BLK	0.000	12:37

Success

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

DBH
TLW

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010590 Test Number: 281

Test Date: 12/26/2013 Test Time: 12:39 EST

Technician Initials: DBH

Dry Gas Target: 0.020

Lot Number: 0771302011-02 Exp Date: 05/01/2015

Tank Pressure: 772 psi Barometric Pressure: 766 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	12:39
BLK	0.000	12:40
CHK	0.020	12:41
BLK	0.000	12:42
CHK	0.020	12:43
BLK	0.000	12:44
CHK	0.020	12:45
BLK	0.000	12:46

Success

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

DBH
TLN

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010590 Test Number: 282

Test Date: 12/26/2013 Test Time: 12:49 EST

Dry Gas Target: 0.302

Lot Number: AG322702-07 Exp Date: 08/15/2015

Tank Pressure: 257 psi Barometric Pressure: 766 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	12:50
CHK	0.303	12:51
BLK	0.000	12:52
CHK	0.303	12:53
BLK	0.000	12:55
CHK	0.303	12:56

Test Status: *Success*

Calibration CRC: 7E86BACC

Intox EC/IR-II: Accuracy Check

D&H
TLN

Department of Forensic Science

Serial Number: 010590 Test Number: 283

Test Date: 12/26/2013 Test Time: 12:58 EST

Dry Gas Target: 0.101

Lot Number: AG219101-03 Exp Date: 07/09/2014

Tank Pressure: 139 psi Barometric Pressure: 766 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	12:59
CHK	0.102	13:00
BLK	0.000	13:02
CHK	0.102	13:02
BLK	0.000	13:04
CHK	0.102	13:05

Test Status: Success

Calibration CRC: 7E86BACC

DBH
TLN




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY HALL, DONALD, B		AGENCY DFS Central Lab
DFS LICENSE NUMBER 21250	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 12/26/2013
TEST EQUIPMENT NUMBER 010590		

RESULTS: TIME SAMPLE TAKEN 13:14 EST

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20_____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____ SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____ OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 26 Dec 2013 at 16:43

DBH
TLN

Test Results

Instrument Serial Number 010590

Test # 000284 **Subject Test**

Test Location 1 Department of	Test Location 2 Forensic Science	Test Location 3
Test Date 26 Dec 2013	Test Time 13:08	System Check Passed
	Remote/Local Local	
Operator's Last Name HALL	Operator's First Name DONALD	Operator's Middle Initial B
Agency DFS Central Lab	License Number 21250	
Card Serial Number 121250	Effective Date 10/01/2012	Expiration Date 10/01/2014
Subject's Last Name INSTRUMENT	Subject's First Name TEST	
Subject's Middle Initial	Subject's Date of Birth 00/00/0000	Subject's Sex Male
Driver's License Number	Driver's License Expiration 00/00/0000	
Driver's License State	Court Name DFS	
End Date 26 Dec 2013	End Time 13:16	Result Time 13:14
Data Type DIAG	Sample Value Pass	Result Date 26 Dec 2013
Data Type BLK	Sample Value 0.000	Result 0.00
Data Type CHK	Sample Value 0.101	Sample Time 13:08
Data Type BLK	Sample Value 0.000	Sample Time 13:09
Data Type SUBJ	Sample Value 0.000	Sample Time 13:10
Data Type BLK	Sample Value 0.000	Sample Time 13:11
Data Type SUBJ	Sample Value 0.000	Sample Time 13:12
Data Type BLK	Sample Value 0.000	Sample Time 13:13
Data Type SUBJ	Sample Value 0.000	Sample Time 13:14
Data Type BLK	Sample Value 0.000	Sample Time 13:15
Standard Type Dry Gas Std	Standard Value 0.101	
Standard Lot Number AG219101-03	Standard Expiration Date 07/09/2014	
Tank Pressure 134	Barometric Pressure 765 mmHg	
Blow Sample Number 1	Blow Duration 3.35 sec	Blow Volume 1854 cc
Blow Sample Number 2	Blow Duration 3.77 sec	Blow Volume 2018 cc
Tamper Evident Stamp 41691122		End-of-Blow Time 13:12
Test Status Success		End-of-Blow Time 13:14
		Test Status Code 0